

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("205183").URPN.	USPAT	OR	ON	2007/04/23 18:10
L2	52	(US-20020154965-\$ or US-20050129482-\$ or US-20010054807-\$ or US-20040265049-\$ or US-20050260374-\$).did. or (US-5112155-\$ or US-3077810-\$ or US-3432197-\$ or US-4087112-\$ or US-4406108-\$ or US-5215418-\$ or US-0780039-\$ or US-4526396-\$ or US-5056301-\$ or US-6412315-\$ or US-2483111-\$ or US-6250865-\$ or US-6685408-\$ or US-1990289-\$ or US-5009444-\$ or US-5865559-\$ or US-0325221-\$ or US-3673910-\$ or US-3861267-\$ or US-5437515-\$ or US-5507611-\$ or US-6145866-\$ or US-0370028-\$ or US-2224522-\$ or US-4348790-\$ or US-0632540-\$). did. or (US-1112871-\$ or US-3081663-\$ or US-1012475-\$ or US-4508479-\$ or US-2299308-\$ or US-1974966-\$ or US-2204116-\$ or US-4367569-\$ or US-4822197-\$ or US-2436210-\$ or US-3433118-\$ or US-4997218-\$ or US-1144700-\$ or US-D525857-\$ or US-D524142-\$ or US-D439827-\$ or US-D524144-\$ or US-3279302-\$ or US-4932820-\$ or US-2630003-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2007/04/23 18:12

## EAST Search History

L3	79	("0325221"   "1566473"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4844498"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5682775"   "5794465"   "6055832"   "6145866"   "6409283"   "6425272"   "6575000"   "6672115"   "D255772"   "D283199"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392"   "D501131"   "D511292").PN. OR ("D525857").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 18:13
S1	10	("2997909" "20010054807" "032521" "3673910" "3861267" "4207794" "5437515" "5507611" "6145866" "6409203").PN.	US-PGPUB; USPAT	OR	ON	2007/04/23 16:46
S2	365	(411/340).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 23:09
S3	3	("0581693").PN. OR ("5507611").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 23:12
S4	1	("581693").URPN.	USPAT	OR	ON	2006/06/15 23:13
S5	15	("1229851"   "1281000"   "2185782"   "3673910"   "3861268"   "3909180"   "3926294").PN. OR ("4367569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 23:18
S6	341	(280/515).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/16 12:38

## EAST Search History

S7	242	hitch\$4 with pin same angle\$4 and hitch\$4 with pin same (locking or retention or retaining)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/15 23:22
S8	0	("2002/0003342").URPN.	USPAT	OR	ON	2006/06/15 23:29
S9	0	("2002/0003342").URPN.	USPAT	OR	ON	2006/06/15 23:29
S10	10	("0324876"   "1354410"   "4392663"   "4473991"   "4986059").PN. OR ("5056301"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 23:36
S11	2	("2299308").URPN.	USPAT	OR	ON	2006/06/15 23:44
S12	1	("2224522").URPN.	USPAT	OR	ON	2006/06/15 23:44
S13	28	(US-20020154965-\$ or US-20010054807-\$ or US-20050129482-\$).did. or (US-6685408-\$ or US-6250865-\$ or US-5507611-\$ or US-5437515-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4508479-\$ or US-4406108-\$ or US-4367569-\$ or US-3673910-\$ or US-5009444-\$ or US-5056301-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1112871-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$). did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/15 23:58
S14	31	(US-20020154965-\$ or US-20010054807-\$ or US-20050129482-\$).did. or (US-6685408-\$ or US-6250865-\$ or US-5507611-\$ or US-5437515-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4508479-\$ or US-4406108-\$ or US-4367569-\$ or US-3673910-\$ or US-5009444-\$ or US-5056301-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1112871-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$ or US-4526396-\$ or US-3081663-\$). did. or (US-2204116-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 00:13

## EAST Search History

S15	98	("6118659" "6175499" "6071035" "5833100" "4549651" "4579406" "4806856" "5551668" "5598775" "5632437" "5695593" "5699140" "5716493" "6209766" "6209766" "6243267" "6244875" "5253907" "6155441" "4271936" "4274450" "4277434" "4329612" "4339223" "4355743" "4378129" "4579034" "4609233" "4773089" "4864751" "5199756" "5279233" "5301580" "5312134" "5325689" "5460467" "5586485" "5741007" "5755391" "5863214" "5906449" "6035743" "6098496" "6145416" "6186395" "6230910" "6254205" "6412315" "6442880" "6481681").pn. ("6843072" "5727430" "5737977" "5785626" "6014916" "6047615" "6053074" "6062406" "6105465" "6282738" "6412126" "5518332" "4255836" "4508403" "4907230" "5027063" "5183404" "5336099" "5338210" "5396402" "5521439" "5547401" "5653617" "5677247" "5692911" "5727972" "5805419" "5816832" "5938480" "6005403" "6026895" "6113399" "6166554" "6223814" "6223814" "3874443" "4132946" "4261121" "4272644" "4372680" "4390220" "4481614" "4607685" "4618208" "4620632" "4797118" "4816751" "4856060" "4878108" "4903379").pn.	US-PGPUB; USPAT	OR	ON	2006/06/16 12:23
S16	32	(US-20010054807-\$ or US-20050129482-\$ or US-20020154965-\$).did. or (US-5507611-\$ or US-5437515-\$ or US-3673910-\$ or US-6685408-\$ or US-6250865-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4406108-\$ or US-4508479-\$ or US-4367569-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$ or US-1112871-\$ or US-4526396-\$ or US-3081663-\$ or US-2204116-\$ or US-5056301-\$). did. or (US-5009444-\$ or US-6412315-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 12:43

## EAST Search History

S18	1	10/710253	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 12:44
S19	18	("0325221"   "1500132"   "1732508"   "3516644"   "3861267"   "4004393"   "4822197"   "5112155").PN. OR ("5437515"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:49
S20	13	("0156198"   "0687809"   "1168257"   "1340470"   "3127808"   "3861268"   "4406108").PN. OR ("5215418").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:58
S21	16	("3084953"   "3329402"   "3765703"   "3807767"   "4431208"   "4537416"   "4784068"   "4911460").PN. OR ("5009444"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 13:00
S22	20	("2077825"   "2180558"   "2367874"   "2430143"   "2436210"   "2483111"   "3011801"   "3197239"   "3865407"   "4087112").PN. OR ("4526396"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 13:08
S23	2438	self near5 (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) with pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:09
S24	1088	self near2 (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) near5 pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:32
S25	555	self adj (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) near2 pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:32
S26	80	self adj (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) near2 pin and (nub or protrusion or protuberance or ear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:44
S27	180	integrated with pin with clip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 14:19

## EAST Search History

S30	0	vehicle adj drawbar adj pins.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/16 14:07
S31	37	(US-20010054807-\$ or US-20050129482-\$ or US-20020154965-\$ or US-20040265049-\$).did. or (US-5507611-\$ or US-5437515-\$ or US-3673910-\$ or US-6685408-\$ or US-6250865-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4406108-\$ or US-4508479-\$ or US-4367569-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$ or US-1112871-\$ or US-4526396-\$ or US-3081663-\$ or US-2204116-\$ or US-5056301-\$). did. or (US-5009444-\$ or US-6412315-\$ or US-4087112-\$ or US-2483111-\$ or US-2436210-\$ or US-4997218-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 14:24
S32	2	("5865559").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/16 14:19
S33	6	hitch adj pin adj retainer	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 14:24
S35	635	(411/41,34).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/19 11:03
S36	635	(411/41,34).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/19 11:08
S37	37	S36 and mandrel same head same diameter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:32
S38	831	mandrel same head same diameter near5 (percent\$4 or small\$3 or larg\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:32

## EAST Search History

S39	47	mandrel same head same diameter same (protrusion or protuberance or taper\$4) near5 (percent\$4 or small\$3 or larg\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:33
S41	34	S36 and mandrel and head same diameter near5 (percent\$4 or small\$3 or larg\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:32
S42	7648	(hitch\$4 or coupler) near5 pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:00
S43	2149	(hitch\$4 or coupler) adj pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:00
S44	2107	(hitch or coupler) adj pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:02
S45	2164	(hitch or coupler or draft) adj pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:02
S46	40847	(411/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/06 20:02
S47	345	(280/515).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/06 20:02
S48	0	("4and(5or6)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/06 20:02
S49	78	S45 and (S46 or S47)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:02
S50	14	("2454856"   "2682414"   "3011801"   "3865407"   "4087112"   "4555125").PN. OR ("6145866").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:20

## EAST Search History

S51	71	("1566473"   "1963514"   "2541638"   "2677261"   "3197239"   "3279302"   "3453846"   "3476007"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5794465"   "6055832"   "6145866"   "6409283"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392").PN. OR ("D531008"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:22
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## EAST Search History

S52	79	("0325221"   "1566473"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4844498"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5682775"   "5794465"   "6055832"   "6145866"   "6409283"   "6425272"   "6575000"   "6672115"   "D255772"   "D283199"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392"   "D501131"   "D511292").PN. OR ("D525857"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:22
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## EAST Search History

S53	79	("0325221"   "1566473"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4844498"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5682775"   "5794465"   "6055832"   "6145866"   "6409283"   "6425272"   "6575000"   "6672115"   "D255772"   "D283199"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392"   "D501131"   "D511292").PN. OR ("D524144"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:22
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## EAST Search History

S54	77	("1566473"   "1667254"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4888967"   "4918949"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5142888"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5794465"   "6055832"   "6145866"   "6409283"   "6412315"   "D295719"   "D401131"   "D428795"   "D439827"   "D444050"   "D447043"   "D454293"   "D461392"   "D488701").PN. OR ("D524142").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:23
S55	108	S50 S51 S52 S53 S54	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 21:00
S56	7	("325221").URPN.	USPAT	OR	ON	2006/12/06 20:35
S57	14	("2454856"   "2682414"   "3011801"   "3865407"   "4087112"   "4555125").PN. OR ("6145866").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:36
S58	10	("2367874"   "3011801").PN. OR ("4087112").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:37
S59	345	(280/515).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/07 16:36
S60	47	(411/482).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/07 17:41

## EAST Search History

S61	4	((("6193260") or ("5865559")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/07 17:47
S62	170	katherine near2 mitchell.xa.	US-PGPUB; USPAT	OR	ON	2006/12/08 13:51
S63	1	("0370028").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/06 19:43
S64	0	("370028").URPN.	USPAT	OR	ON	2007/03/06 19:43
S65	56	(24/609).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/06 19:46
S66	0	("dig0026").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/23 16:46
S67	0	(70/dig26).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/23 16:48
S68	374	(70/32-34).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/23 16:48
S69	0	("2630003").URPN.	USPAT	OR	ON	2007/04/23 17:04